

ABSTRACT

5 The present invention generally relates to the acceleration of customer
premises equipment based virtual private networks (CPE-VPN). To provide virtual
private network service from an enterprise network to a mobile client in a secure
manner apparatus and method are provided whereby VPN service is provided which
allows the wireless network to use data acceleration techniques. This is accomplished
by providing a VPN acceleration server that terminates VPN tunnel from the
10 enterprise network, accelerates the data for wireless transmission then encrypts the
data for transmission to the mobile client (VPN acceleration client) over an encrypted
acceleration tunnel. The encrypted acceleration tunnel may use PKI encryption.